

# CEITEC Central European Institute of Technology

CEITEC – Central European Institute of Technology is a centre with the main focus being research in the fields of life sciences, advanced materials and technologies. CEITEC was established in 2011 on the strong foundation of six prominent universities and research institutes, with long-lasting traditions located in Brno, Czech Republic. Since its short existence, CEITEC has managed to build up a cutting-edge research centre which performs among the best European institutes. CEITEC's success can be attributed to its high-tech technologies, as well as to its adherence to international standards of quality in research, which is regularly evaluated by an international committee. Among the main priorities of CEITEC are to promote a motivating and dynamic international scientific environment, to provide state-of-the-art research infrastructure, and to ensure a policy of open communication and equal opportunities.



## Vision

An internationally recognized center based in Europe which leads to breakthrough discoveries



## Mission

CEITEC's mission is to advance knowledge in the fields of life and material sciences, on the basis of interconnecting the research capacity of its six partner institutions

## Cross-Cutting Themes

- Nature Inspired Materials and Nanotechnologies
- Technology Innovations in Biomedicine
- Sustainable Agriculture and Healthy Food

### Main CEITEC buildings



**CEITEC Masaryk University**  
Kamenice 753/5  
625 00 Brno  
Czech Republic



**CEITEC Brno University of Technology**  
Purkyňova 123  
612 00 Brno  
Czech Republic

[www.ceitec.eu](http://www.ceitec.eu)

## BASIC INFORMATION



 **CEITEC**  
Central European Institute of Technology  
BRNO | CZECH REPUBLIC

## Basic Overview

6 partners

7 research areas

53 research groups

25,000 m<sup>2</sup> of modern laboratories

12 core facilities

Member of EU-Life alliance



## International Management

International mobility and a system of management are gained from experience of the best research institutes worldwide



### COORDINATION BOARD

Coordination board is composed of statutory representatives of partner institutions and external representatives from prominent Czech companies active in R&D and the best international research institutes



### INTERNATIONAL SCIENTIFIC ADVISORY BOARD

Members of ISAB are exclusively representatives of important international research institutes

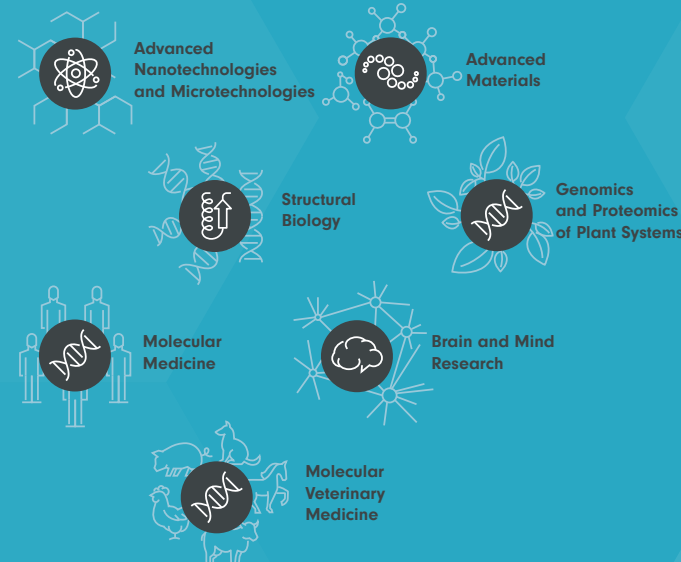


### EVALUATION

Evaluations of the quality of research results are conducted by independent teams of prominent global experts in their respective fields

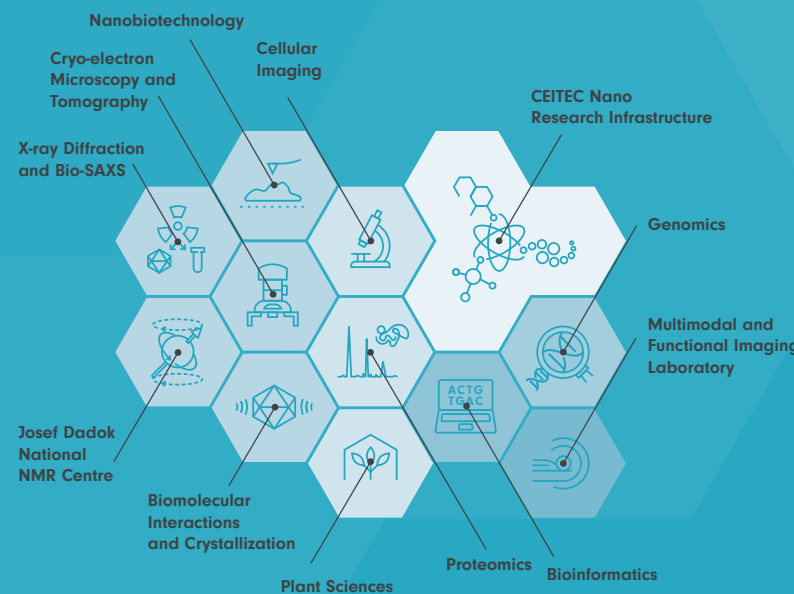
## Interdisciplinary cooperation

The combined knowledge and resources of the six participating institutions ensure the more efficient attainment of quality results and higher levels of involvement from the application sphere



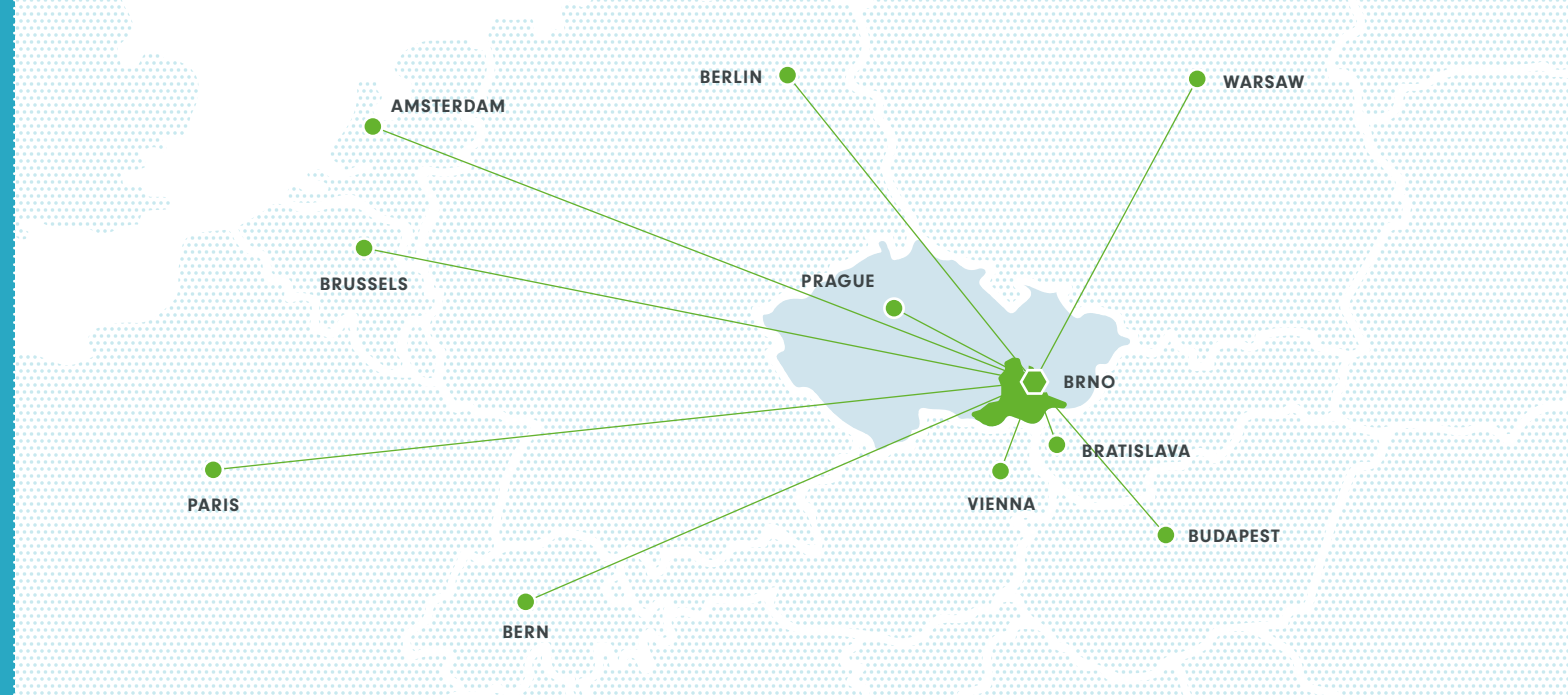
## Research Areas

The multi-departmental nature of CEITEC and the extent to which the fields of life sciences and advanced materials and technologies are integrated make it the first research centre of its kind in the Czech Republic. The high-tech technologies at its disposal will facilitate synergistic study in the subjects of life and material sciences on all currently available levels of complexity, starting with individual atoms, through molecules, ensembles and cells to whole organisms.



## Core Facilities

The CEITEC core facilities offer the research community access to cutting-edge equipment. Our goal is to be a central hub for shared resources that provides academic and industrial scientific investigators the use of instrumentation and also technology development and services.



### SELECTED SCIENTIFIC PROJECTS

## 4 ERC grants

#### CONSOLIDATOR GRANT

**RICHARD ŠTEFL**  
- DYNAMIC ASSEMBLY AND EXCHANGE OF RNA POLYMERASE II CTD FACTORS

#### STARTING GRANT

**PAVEL PLEVKA**  
- STRUCTURAL STUDY OF HUMAN PICORNAVIRUSES

#### STARTING GRANT

**VOJTĚCH ADAM**  
- TOWARDS THE UNDERSTANDING A METAL-TUMOUR-METABOLISM

#### STARTING GRANT

**PETR NEUGEBAUER**  
- THZ-FRASCAN-ESR: THZ FREQUENCY RAPID SCAN - ELECTRON SPIN RESONANCE SPECTROSCOPY FOR SPIN DYNAMICS INVESTIGATIONS OF BULK AND SURFACE MATERIALS

### PARTNER INSTITUTIONS



MASARYK UNIVERSITY  
[www.muni.cz](http://www.muni.cz)



MENDEL UNIVERSITY IN BRNO  
[www.mendelu.cz](http://www.mendelu.cz)



BRNO UNIVERSITY OF TECHNOLOGY  
[www.vutbr.cz](http://www.vutbr.cz)



INSTITUTE OF PHYSICS OF MATERIALS AS CR  
[www.ipm.cz](http://www.ipm.cz)



UNIVERSITY OF VETERINARY AND PHARMACEUTICAL SCIENCES BRNO  
[www.vfu.cz](http://www.vfu.cz)



VETERINARY RESEARCH INSTITUTE  
[www.vri.cz](http://www.vri.cz)